Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/06/2022 11:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124820	-1	1.17	124737	1.15
Blue	F	SSC	125000	122869	-2	2.35	123358	2.25
Blue	E	FITC	13602	13068	-4	2.24	366	13.43
Blue	D	PE	24891	24427	-2	1.69	582	10.30
Blue	B	PerCP-Cy5-5	33972	33425	-2	2.92	956	15.01
Blue	A	PE-Cy7	22865	22510	-2	5.02	470	30.02
Red	C	APC	47198	46517	-2	2.75	1601	11.60
Red	A	APC-Cy7	26454	25529	-4	3.05	722	12.62
Violet	B	V450	6737	6437	-5	3.45	446	11.09
Violet	A	V500	29317	28187	-4	2.97	963	8.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23995	2.32	561	26	N/A	N/A	Pass
Blue	F	SSC	55333	1.90	520	-1	N/A	N/A	Pass
Blue	E	FITC	56	53.22	486	2	0.0436	99	Pass
Blue	D	PE	112	38.02	490	4	0.4093	283	Pass
Blue	B	PerCP-Cy5-5	150	42.77	584	5	0.0197	106	Pass
Blue	A	PE-Cy7	77	82.37	627	6	0.0236	13	Pass
Red	C	APC	334	26.96	578	6	0.0282	260	Pass
Red	A	APC-Cy7	133	36.39	555	4	0.0061	1516	Pass
Violet	B	V450	76	46.82	452	2	0.0685	2867	Pass
Violet	A	V500	114	34.11	472	3	0.0276	1641	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.54	-31.34	1.01
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	14.51	13.90 - 20.86	N/A	N/A	29.72	29.96	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9511

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments